

## Possible Hazards for CHEM 201

This **list** of substances represents the possible hazards currently identified for this course; however, substitutions or additions are possible. Do not assume a substance is safe if it is not listed. You will be notified of changes as soon as they are available. If you are aware of any known allergies or sensitivities to chemicals, please let your professor know prior to the first lab class.

Methylene chloride	Acetanilide
Tea	Charcoal
Coffee	Salicylic acid
Caffeine Tablet Sodium	Naphthalene
sulfate	Methanol
Ethyl acetate Catechol	Urea
Citric Acid	
Camphor	Naphthalene
Amyl Alcohol	Para dichlorobenzene
Cyclohexanone Toluene	Isobutyl Alcohol
N-Butyl Alcohol	
Denatured Ethanol	
Hexane	
Cyclohexene Flourene	

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## Complete List of Chemicals

These chemicals are stored in an adjacent area. Any of these chemicals could be used for another course in the same lab room but at a different time. Exposure is possible but not probable.

Acetanilide	Barium Nitrate
Acetic Acid, Glacial	Basic Yellow
Acetic Acid, 0.01M, 0.1M, 1M	Benzil
Acetic Anhydride	
Acetone	Benzoic Acid
Acrylic Acid	Benzophenone
Adhesive Side Powder, Dark	Bleach
Albumin, Egg	Bogen Universal Indicator
Alka-Seltzer	Boiling Chips, pumice
All-Purpose Cleaner	Boric Acid
Aluminum (Foil)	Boric Acid, 0.1M
Aluminum (Wire)	Brass
Aluminum Nitrate - 9-hydrate	Bromocresol Green Indicator
Aminobenzoic Acid, 3-	Bromoethane (Ethyl Bromide)
Ammonia (household)	Bromothymol Blue
Ammonia Tablets #1, #2	Buffer solutions, pH4,pH7,pH10
Ammonium Acetate	Butyl Alcohol-n
Ammonium Acetate, 0.1M	Butyl Alcohol-tert
Ammonium Bicarbonate	Caffeine
Ammonium Chloride	Caffeine
Ammonium Dichromate	Calcium Granules
Ammonium Hydroxide	Calcium Turnings
Ammonium Nitrate	Calcium Acetate
Ammonium Nitrate, 0.1M	Calcium Carbonate
Ammonium Oxalate Monohydrate	Calcium Chloride - Anhydrous
Ammonium Persulfate	Calcium Chloride - 2-hydrate
Amyl Alcohol	Calcium Hydroxide (Lime)
Argon Spectrum Tubes	Calcium Nitrate - 4-hydrate
Arsenic Trioxide	Calcium Oxide
Ascorbic Acid (Vitamin C)	Calcium Sulfate - 2-hydrate
Aspirin (Acetylsalicylic Acid)	Camphor-dl
Barium Chloride-anhydrous	Carbon (Charcoal)
Barium Chloride-2-hydrate	Casein
Barium Hydroxide - Anhydrous	Catechol (Pyrocatechol)
Barium Hydroxide - 8-hydrate	Chlorobenzene

Chlorobenzoic Acid-p  
Chloroform  
Chromium Test Tablet  
Citric Acid – Anhydrous  
Club Soda (Carbonic Acid)  
Cobalt Chloride – 6-hydrate  
Cobalt Nitrate – 6-hydrate  
  
Congo Red  
Copper solid  
Copper(II) Chloride-2-hydrate  
Copper(II) Nitrate-2½-hydrate  
Copper(II) Sulfate-Anhydrous  
Copper(II) Sulfate-5-hydrate  
Cyanoacrylate  
Cyclohexane  
Cyclohexanol  
Cyclohexanone  
Cyclohexene  
Deet (N,N-diethyl-m-toluamide)  
Dessicant  
Dichlorobenzene-p (PDB)  
Diethyl Ether, anhydrous (Ether)  
Diethylamine  
Dimethoxybenzaldehyde, 3,4-  
Dimethylformamide, N,N-  
Dimethylglyoxime  
Dinitrobenzoic Acid-3,5  
Diphenylaminesulfonic Acid  
Dodecyl Alcohol  
EDTA  
Ethyl Acetate  
Ethyl Alcohol  
Ethyl Alcohol, 95%  
Ethyl Bromide (Bromoethane)  
Ethylenediamine  
Ferric Tartrate  
Fluorene  
Formaldehyde  
Formic Acid  
Fructose  
Furfural  
Glass Beads

Glycerin  
Gold  
Helium Spectrum Tubes  
Hexamethylenediamine  
Hexanes  
Hydrochloric Acid  
Hydrogen Spectrum Tubes  
Hydrogen Peroxide, 3%  
Hydrogen Peroxide, 30%  
Indanone, 1-  
Iodine solid  
Iodine Solution  
Iodine Spectrum Tubes  
Iodoacetophenone, 4'  
Iodophenol, 4  
Iron (Filings)  
Iron (III) Chloride – 6-hydrate  
Iron (III) Nitrate – 9-hydrate  
Iron (II) Sulfate – 7-hydrate  
Iron (II) Sulfide – Anhydrous  
Isoamyl Alcohol  
Iso-butanol  
Isopropyl Alcohol  
Krypton Spectrum Tubes  
Latent Print Powder, Magnetic  
Latent Print Powder, Silk Black  
Latex liquid  
Lead  
Lead Chloride  
Lead Nitrate  
Lithium Chloride  
Lycopodium  
Lye (Sodium Hydroxide)  
Magnesium Metal Ribbon  
Magnesium Chloride – 6-hydrate  
Manganese Sulfate monohydrate  
Magnesium Sulfate – anhydrous  
Malonic Acid  
Manganese Chloride-4-hydrate  
Manganese Dioxide  
Manganese Sulfate monohydrate  
Mercury Spectrum Tubes  
Methyl Alcohol (Methanol)

Methyl Ethyl Ketone  
Methyl Formate  
Methyl Orange Sodium Salt  
Methyl Orange Indicator  
Methylene Chloride  
Molybdic Acid  
Naphthalene  
Neon Spectrum Tubes  
Nickel (II) Chloride - 6-hydrate  
Nickel Nitrate - 6-hydrate  
Ninhydrin - monohydrate  
Ninhydrin Spray  
Nitric Acid  
Nitrogen Spectrum Tubes  
Oleic Acid  
Oxalic Acid  
Oxygen Spectrum Tubes  
Palladium (II) Chloride  
Phenol  
Phenolphthalein  
Phenylboronic Acid  
Phosphoric Acid  
Phthalic Acid  
Phthalic anhydride  
Polyvinyl Alcohol  
Potassium Acid Phthalate  
Potassium Bromide  
Potassium Carbonate - anhydrous  
Potassium Chlorate  
Potassium Chloride  
Potassium Chromate  
Potassium Citrate - Monohydrate  
Potassium Dichromate  
Potassium Ferrocyanide-3hydrate  
Potassium Hydroxide  
Potassium Iodate  
Potassium Iodide  
Potassium Nitrate  
Potassium Oxalate-Monohydrate  
Potassium Permanganate  
Potassium Phosphate-Monobasic  
Potassium Thiocyanate  
Propyl Alcohol-n

Pyrocatechol (Catechol)  
Salicylamide  
Salicylic Acid  
Sebacoyl Chloride  
Silver  
Silver Nitrate  
Small Particle Reagent, Dark  
Sodium Acetate - Anhydrous  
Sodium Acetate - 3-hydrate  
Sodium Bicarbonate  
Sodium Bisulfate  
Sodium Bisulfite  
Sodium Borohydride  
Sodium Bromide  
Sodium Carbonate-Anhydrous  
Octyl Alcohol  
Sodium Carbonate-Monohydrate  
Sodium Chloride  
Sodium Dichromate - Dihydrate  
Sodium Hydroxide  
Sodium Iodide  
Sodium Nitrate  
Sodium Nitrite  
Sodium Phosphate Monohydrate  
Sodium Phosphate 7-hydrate  
Sodium Phosphate 12-hydrate  
Sodium Sulfate Anhydrous  
Sodium Sulfate 10-hydrate  
Sodium Sulfide 9-hydrate  
Sodium Sulfite Anhydrous  
Sodium Tetraborate (Borax)  
Sodium Thiosulfate Anhydrous  
Starch, Potato  
Steel Shots  
Strontium Chloride - 6-hydrate  
Strontium Nitrate  
Sucrose  
Sulfur, Flowers of (sublimed)  
Sulfuric Acid  
Tannic Acid  
Thiamine Hydrochloride  
Thioacetamide  
Thyionyl Chloride

Tin solid  
Tin (II) Chloride - 2-hydrate  
Toluene  
Toluic Acid-m  
Toluic Acid-p  
Trichloroethylene  
Urea  
Vanillin  
Vegetable Oil  
Xenon Spectrum Tubes  
Xylene  
Zinc solid  
Zinc Chloride  
Zinc Nitrate - 6-hydrate